



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Northern Kentucky's Immunization Success Story

Jennifer Hunter RN, MSN
Director of Clinical Services



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Immunizations

- Immunizations are an important public health tool to decrease the incidence of childhood vaccine preventable diseases
- Local health department nurses are “experts” in bringing awareness to the immunization cause



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Immunizations



Northern Kentucky Independent
District Health Department
(NKHD)

Boone, Campbell, Kenton and Grant
county nurses gave over 12,000
vaccinations last year



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Immunizations



Immunizations needed by 2 years

- Seven (7) vaccines and 19 doses
 - 4 doses of DTP
 - 3 doses of Polio
 - 1 dose of MMR
 - 3 doses of Hib
 - 3 doses of Hepatitis B
 - 1 dose of Varicella
 - 4 doses of pneumococcal



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Immunizations

Healthy Kentuckians
2010

Healthy People 2010
goal:

>90% coverage rate



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

NKHD Coverage rates

County Clinics	2004 (431331)	2005	2006	2007	2008	2009 (4313314) (4312314)
Boone County	71%	79%	80%	83%	72%	72/76%
Campbell County	84%	94%	95%	94%	85%	60/71%
Grant County	85%	94%	100%	97%	98%	60/87%
Kenton County	67%	90%	92%	88%	83%	72/79%



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

National, State and Local Coverage Rate Comparison

	2007 (431331)	2008 (431331)	2009 (4313314)
National	77.4%	76.1%	63.6%
Kentucky	78.2%	74.1%	56%
NKHD Clinic average	91%	85%	66%



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Immunization Follow up ideas



- What can we do to change this?

Team discussions between:

Immunization Program Manager
Clinic Managers
Support Services Manager
Nurses
Clerical support

Mapped out what current follow up procedure was for no-shows and how could we improve it to get better results

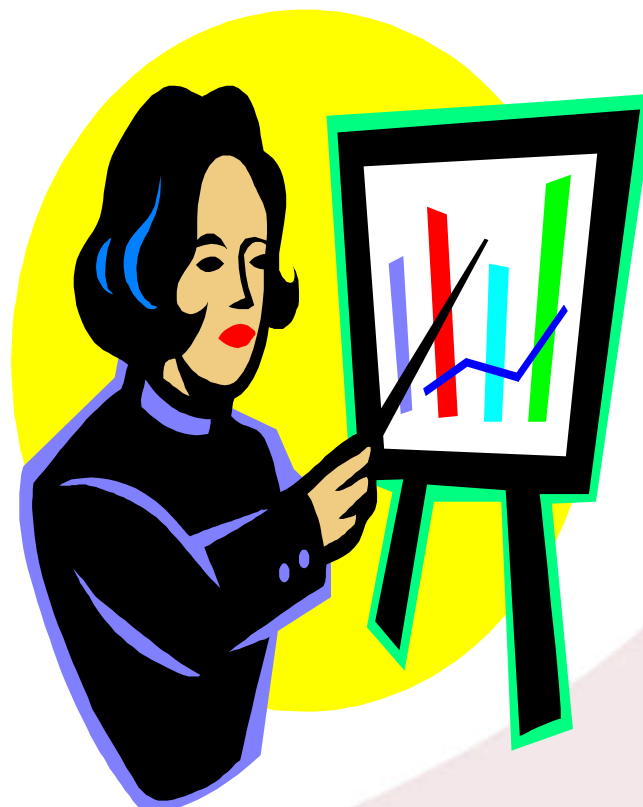


NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Brainstorming Results

Need to be a team/clinic approach

- All staff need to understand the priority goal for increasing immunization compliance
- “All hands on deck” approach to get children in for appointments
- Develop communication system in chart to alert anyone that the child needs follow up with immunizations
- More in depth follow up tracking needed
- Opportunities were being missed to have the child immunized



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Policy Change

- Instituted “Immunization Documentation” policy on 5/27/10 that included an in depth follow up process for all immunization no shows
- **Appointments**: RN/LPN/RD: required to include on PEF documentation of need for next visit and a “Day 32” appointment date for future immunizations after their current service is provided
 - Designated clerical support processes all “Day 32” appointments monthly



Policy Change

- Missed Appointments
 - All missed immunization appointments are sent a “no-show” postcard by clerical staff and documented in the medical record as the 1st follow up attempt
 - The designated Immunization clerk will complete 2^{cd} and 3rd attempt by using the 865 report (printed daily)
 - Well child and immunization appts. highlighted and records pulled for RN to review if current with immunizations. If not current the record is put into the follow up process.
 - 2^{cd} attempt: after waiting 10 days from 1st attempt Immunization clerk places a phone call to reschedule appointment or determine if child is receiving them at another provider. If phone disconnected a reminder card is sent
 - 3rd attempt: send immunization reminder card
 - Follow up attempts are now complete and documented in record



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Policy Change

- WIC follow up
 - Clerk working 587 (WIC termination report) will give chart to the RN
 - RN reviews immunization record for compliance. If immunizations needed, the record is turned over to the immunization clerk for follow up appointment
 - RN will make the first attempt to call the parent and discuss the need for immunizations and offer an appointment
 - If not reached the immunization clerk will take care of 2^{cd} and 3rd follow up attempt



Policy Change

- Audit Process
 - Immunization Program Manager creates the “Missing Immunization List” (18-24 month old children) for each county
 - Clerical support pulls records for RN to review for any immunizations needed by the children listed
 - If immunizations are up to date, the record is filed back
 - If immunizations are not up to date, RN will make the first attempt to call parents and inform them
 - 2^{cd} and 3rd attempts are made by clerical support sending reminder cards and documenting in the medical record



Results December 2010

Not Good Enough!!!!



Coverage rates

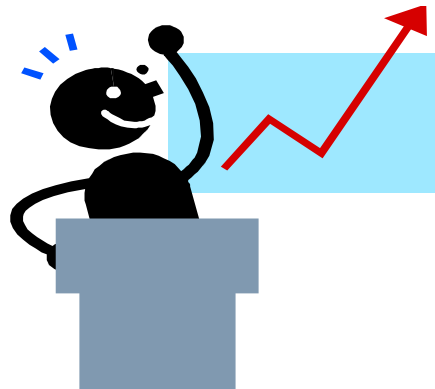
	2010 (4313314)
Boone County	82%
Campbell County	83%
Grant County	92%
Kenton County	94%
Kentucky	64.2%
National	70.2%



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Results December 2011

Now That's Better!!!!



Coverage Rates

	2011 (4313314)
Boone County	90%
Campbell County	91%
Grant County	94%
Kenton County	97%
Kentucky	78.9%
National	72.4%



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Immunization Success

- 1st time in our history that we exceeded the State and National goals of 90% coverage rates for immunizations for all 4 Northern Kentucky sites
- TEAMWORK= SUCCESS



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Spread the Good News



Shared the “good news” with:

- Clinical Services Management group
- Lynne Saddler MD, MPH, District Director NKHD
- Boone, Campbell, Kenton, and Grant County BOH
- NKHD District BOH
- Press release to NKY media including all staff
- NKIDHD Website, twitter accounts, employee newsletter
- E-mail to Kentucky DPH: Dr. Davis, Rosie, Joy, Dr. Humbaugh and Dr. Brawley, Ky. Immunization Program
- Article sent to KBN
- Future plans: publication with ANA, NACCHO, KNA, APHA, Sigma Theta Tau, ASTDN

Nursing Publications

- Publish an article?????? I have no experience.
 - Need more Public Health Nurses to write journal articles about nursing that pertains to public health issues
 - E-mailed ANA and submitted a short paragraph about the project and the results. Explained why I thought a public health nurse could make such a difference in community health outcomes
- * Within 24 hours I received a reply stating ANA would be interested!



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Nursing Publications

- It was explained to me that the approval process has a number of stages to be published in “*American Nurse Today*” ANA’s official journal
- 1st stage: Write short abstract about project and include resume or vitae showing why your article should be published
- This is evaluated by a Senior Policy Fellow, Department of Nursing Practice and Policy (ANA)
- 2nd stage: Follow author guidelines set forth by ANA (attached)
- 3rd stage: have article blind peer reviewed
- 4th stage: If manuscript is accepted it goes through in house editing
- 5th stage: Publication!!!!



Nursing Publication

- Currently my article is in stage 2
- If not accepted keep trying
- Get constructive criticism
- Good experience with a new challenge
- Plan to send to other public health organizations

Nurses helping Nurses!



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT

Contact info

Jennifer Hunter RN, MSN
Director of Clinical Services
Northern Kentucky Independent District Health
Department

Jennifer.hunter@nkyhealth.org

859-363-2006



**NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT**



NORTHERN KENTUCKY
INDEPENDENT DISTRICT
HEALTH DEPARTMENT